the twisted yarn that has been produced in the twisting means onto a plane that is in parallel with the central axis; and

image reproduction means for displaying a state in which the images of the yarns are reproduced, based on the correspondence that has been set by the abstracting means, on corresponding projected images of the abstracted models of the yarns included in the abstracted model of the twisted yarn that has been projected onto the plane by the projection means.

14. The apparatus for simulating an image of a twisted yarn of claim 12, wherein the abstracting means abstracts the cross-section shapes of the plurality of yarns input by the image input means as round shapes, and

the twisting means comprises:

cross-section arrangement means for setting an arrangement reference point with respect to the twisted yarn, of arranging the cross-section shapes of the abstracted models of the yarns produced by the abstracting means around the arrangement reference point, and for flattening the cross-shapes according to a predetermined condition;

cross-section rotation means for rotating a combination of the cross-section shapes arranged by the cross-section arrangement means around the central axis of the twisted yarn while displacing the arrangement reference point set by the cross-section arrangement means along the central